

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Herbert Campbell

GENERAL INFORMATION:

Name:	Flowers Baking Co. of Kentucky LLC.
Address:	1755 Parkway Drive, Bardstown, KY 40004
Date application received:	8/19/08
SIC Code/SIC description:	2051, Bakery
Source ID:	21-179-00061
Agency Interest:	97789
Activity:	APE20080002
Permit:	F-07-052 R1

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input checked="" type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
__Administrative	<input type="checkbox"/> Title V
X Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:**Emissions Potential Summary after changes (F-07-052 R1)**

Pollutant	Predicted Actual (tpy)	Potential (tpy)
PM/PM ₁₀	0.94	1.1
SO ₂	0.05	0.06
NO _x	8.5	10.9
CO	7.2	9.1
VOC	6.5	90
Single HAP	0.21	0.21
Source wide HAPs	0.25	0.25

CURRENT PERMITTING ACTION:**MINOR PERMIT REVISION - F-07-052 R1:**

An application was received on August 19, 2008 for the minor revision of Permit F-07-052 R1. The minor revision states that the source is installing one new bread baking oven emission unit 04 (ES-4) processing 16,200 pounds per hour dough to produce packages of bread, using a 9.45 MMBtu/hr natural gas burning bread-oven and associated catalytic oxidizer (CDES-4) to control VOC emissions at 95% efficiency and updating the size of the two boilers (Emission Unit 02) that have yet to be installed at the facility by reducing each boiler from 6.28 MMBtu/hr to 4.2 MMBtu/hr. The source does not propose to increase the current source wide VOC emission limit of 90 tons per year. The source will remain a conditional major following the proposed modifications. The new unit will operate under the same applicable regulations for emission unit 01.

PAST PERMITTING ACTIONS:**SOURCE DESCRIPTION:**

Flowers Baking Company of Kentucky, LLC, submitted an application to the Division on September 12, 2007 to construct and operate bread manufacturing at 1755 Parkway Drive, Bardstown, Kentucky. The facility will process 11,200 pounds per hour dough to produce packages of bread, using a 7 MMBtu/hr natural gas burning bun-oven and two natural gas fuel boilers rated each at 6.28 MMBtu/hr for steam. Baking dough has the potential to emit VOC above the major source threshold of 100 tons/year. The facility has requested a federally enforceable permit. A ninety five (95) percent efficient thermal oxidizer will be installed on the oven for destruction of the VOC and HAPs. Controlled emissions of the baking oven shall reduce VOC emissions below the major source threshold. This permit is being issued as federally enforceable state origin (FESOP) permit for non- major source (Conditional Major).

EMISSIONS AND OPERATING CAPS DESCRIPTIONS:

In accordance with 401 KAR 52:030, Section 1, and to preclude the applicability of 401 KAR 52:020, source wide VOC emissions from the baking oven, the boilers, and all insignificant activities shall not exceed 90 tons/year on a twelve-month rolling total. Maximum single HAP (acetaldehyde) emissions shall not exceed 9 tons per year and combined HAP shall not exceed 22.5 tons per year.

OPERATIONAL FLEXIBILITY:

The source is not restricted as to hours of operation or quantity of product produced while remaining within the caps above.